

Avian Influenza Report



Avian Influenza Report is a weekly report produced by the Respiratory Disease Office, Centre for Health Protection of the Department of Health. This report highlights global avian influenza activity in humans and birds.

VOLUME 13, NUMBER 01

Reporting period: January 1, 2017 –January 7, 2017 (Week 01)

(Published on January 10, 2017)

Summary

1. Since the previous issue of Avian Influenza Report (AIR), there were 107 new human cases of avian influenza A(H7N9) reported by Mainland China health authorities in Jiangsu (52 cases), Zhejiang (21 cases), Guangdong (14 cases), Anhui (9 cases), Jiangxi (5 cases), Shandong (2 cases), Fujian (1 case), Guizhou (1 case), Hunan (1 case) and Shanghai (1 case). In addition, the Centre for Health Protection (CHP) of the Department of Health confirmed one human case of avian influenza A(H7N9). This case is the third case in Hong Kong this winter and the nineteenth case in Hong Kong. Since March 2013 (as of January 9, 2017), there were a total of 927 human cases of avian influenza A(H7N9) reported globally. Since November 2016 (as of January 9, 2017), 125 cases have been recorded in Mainland China. The latest case was reported on January 9, 2017.
2. Since the previous issue of AIR, there were no new human cases of avian influenza A(H5N6). Since 2014 (as of January 7, 2017), 16 human cases of avian influenza A(H5N6) were reported globally and all occurred in Mainland China. The latest case was reported on December 1, 2016.
3. There were no new human cases of avian influenza A(H5N1) reported by the World Health Organization (WHO) in 2017. From 2011 to 2015, 32 to 145 confirmed human cases of avian influenza A(H5N1) were reported to WHO annually (according to onset date). In 2016, there have been 10 cases in Egypt.*

* Since November 21, 2012, WHO only publishes information on human cases with avian influenza A(H5N1) infection in "[Influenza at human - animal interface: Monthly Risk Assessment Summary](#)". Only cases of human infection with H5N1 involved in events that are unusual or associated with potential increased risks will be reported in Disease Outbreak News. The latest [report](#) was published in December, 2016.

This week's highlights

(Sources: WHO, National Health and Family Planning Commission (NHFPC), Mainland health authorities, Ministry of agriculture and veterinary of the People's Republic of China, CHP and World Organisation for Animal Health (OIE))

Table 1. Hong Kong: Confirmed human cases of avian influenza A(H5) / avian influenza A(H7N9)

	No. of H5 cases (No. of deaths)	No. of H7N9 cases (No. of deaths)	Details
In this reporting period	0(0)	1(1)	Hong Kong: A 62-year-old man was confirmed positive for avian influenza A(H7N9). This case is the third case in Hong Kong this winter. He traveled to Zengcheng, Guangzhou since December 15 and returned to Hong Kong via Lo Wu on January 3. He attended Yan Chai Hospital on January 4 and was admitted on the same day. He passed away on January 6. (CHP, January 5 & January 6, 2017)

Table 2. Outside Hong Kong: Confirmed cases of human infection with avian influenza A(H7N9)

New cases in Mainland China since previous issue of AIR

Province / Region / Municipality	City / District / Area	Age (years)	Sex	Clinical condition at time of reporting	Date of report
Jiangxi	Jiujiang	48	M	Stable	05/01/2017
Guangdong	Guangzhou	50	M	Fatal	05/01/2017
Guangdong	Guangzhou	53	M	Fatal	05/01/2017
Guangdong	Guangzhou	73	F	Severe pneumonia	05/01/2017
Guangdong	Shenzhen	50	M	Severe pneumonia	05/01/2017
Guangdong	Shenzhen	53	M	Under investigation	05/01/2017
Guangdong	Dongguan	80	M	Fatal	05/01/2017
Guangdong	Zhongshan	57	M	Severe pneumonia	05/01/2017
Guangdong	Jiangmen	49	M	Fatal	05/01/2017
Guangdong	Jiangmen	41	F	Fatal	05/01/2017
Guangdong	Jiangmen	58	F	Severe pneumonia	05/01/2017
Guangdong	Zhaoqing	45	F	Fatal	05/01/2017
Guangdong	Zhaoqing	50	F	Fatal	05/01/2017
Guangdong	Jieyang	56	M	Severe pneumonia	05/01/2017
Guangdong	Jieyang	82	M	Fatal	05/01/2017
Shandong	Rizhao	-	-	-	06/01/2017
Jiangxi	Nanchang	72	F	Critical	07/01/2017
Jiangxi	Jiujiang	83	F	Critical	07/01/2017
Jiangxi	Jiujiang	48	M	Stable	07/01/2017
Shanghai	-	58	M	Under treatment	07/01/2017
Hunan	Hawthorn	35	M	Critical	07/01/2017
Shandong	Jinan	53	M	-	07/01/2017
Jiangxi	Yichun	55	F	Critical	09/01/2017
Jiangsu	Suzhou	41	F	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	66	M	Fatal	09/01/2017
Zhejiang	Hangzhou	46	F	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	46	M	Severe pneumonia	09/01/2017
Anhui	Hefei	54	M	Severe pneumonia	09/01/2017
Jiangsu	Wuxi	63	M	Fatal	09/01/2017
Jiangsu	Suzhou	32	F	Severe pneumonia	09/01/2017
Zhejiang	Hangzhou	64	M	Severe pneumonia	09/01/2017
Zhejiang	Yuyao	56	F	Severe pneumonia	09/01/2017
Jiangsu	Wuxi	51	M	Fatal	09/01/2017
Jiangsu	Suzhou	39	M	Pneumonia	09/01/2017
Jiangsu	Suzhou	39	F	Severe pneumonia	09/01/2017
Jiangsu	Changzhou	48	M	Fatal	09/01/2017
Jiangsu	Nantong	68	M	Fatal	09/01/2017
Jiangsu	Changzhou	45	F	Fatal	09/01/2017
Jiangsu	Nantong	68	M	Severe pneumonia	09/01/2017
Jiangsu	Changzhou	48	M	Fatal	09/01/2017
Jiangsu	Taizhou	39	M	Under investigation	09/01/2017
Jiangsu	Changzhou	73	F	Fatal	09/01/2017

Province / Region / Municipality	City / District / Area	Age (years)	Sex	Clinical condition at time of reporting	Date of report
Zhejiang	Huzhou	68	M	Pneumonia	09/01/2017
Jiangsu	Wuxi	48	M	Fatal	09/01/2017
Jiangsu	Suzhou	75	M	Severe pneumonia	09/01/2017
Zhejiang	Jinhua	54	F	Severe pneumonia	09/01/2017
Jiangsu	Changzhou	83	M	Fatal	09/01/2017
Zhejiang	Jiaying	33	M	Severe pneumonia	09/01/2017
Jiangsu	Changzhou	46	F	Fatal	09/01/2017
Jiangsu	Changzhou	73	M	Pneumonia	09/01/2017
Zhejiang	Ningbo	41	M	Severe pneumonia	09/01/2017
Jiangsu	Changzhou	23	M	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	84	F	Severe pneumonia	09/01/2017
Zhejiang	Hangzhou	51	F	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	57	M	Severe pneumonia	09/01/2017
Jiangsu	Wuxi	45	F	Under investigation	09/01/2017
Jiangsu	Wuxi	76	M	Fatal	09/01/2017
Zhejiang	Hangzhou	71	M	Severe pneumonia	09/01/2017
Jiangsu	Yancheng	52	M	Severe pneumonia	09/01/2017
Zhejiang	Ningbo	70	F	Fatal	09/01/2017
Anhui	Hefei	62	M	Pneumonia	09/01/2017
Anhui	Hefei	64	M	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	68	M	Severe pneumonia	09/01/2017
Anhui	Hefei	53	M	Fatal	09/01/2017
Jiangsu	Nanjing	64	M	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	74	M	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	62	M	Severe pneumonia	09/01/2017
Jiangsu	Wuxi	48	F	Severe pneumonia	09/01/2017
Zhejiang	Huzhou	34	F	Severe pneumonia	09/01/2017
Zhejiang	Wenzhou	60	F	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	33	F	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	58	M	Pneumonia	09/01/2017
Jiangsu	Nantong	57	M	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	66	M	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	83	M	Severe pneumonia	09/01/2017
Zhejiang	Hangzhou	53	M	Pneumonia	09/01/2017
Jiangsu	Wuxi	45	M	Severe pneumonia	09/01/2017
Jiangsu	Wuxi	52	M	Severe pneumonia	09/01/2017
Anhui	Hefei	66	F	Fatal	09/01/2017
Zhejiang	Hangzhou	51	M	Severe pneumonia	09/01/2017
Zhejiang	Hangzhou	41	M	Severe pneumonia	09/01/2017
Anhui	Wuhu	55	F	Fatal	09/01/2017
Jiangsu	Wuxi	60	M	Severe pneumonia	09/01/2017
Fujian	Jinjiang	41	M	Severe pneumonia	09/01/2017
Jiangsu	Changzhou	45	M	Under investigation	09/01/2017
Jiangsu	Nanjing	39	M	Severe pneumonia	09/01/2017
Zhejiang	Jinhua	81	F	Fatal	09/01/2017
Zhejiang	Hangzhou	36	F	Pneumonia	09/01/2017

Province / Region / Municipality	City / District / Area	Age (years)	Sex	Clinical condition at time of reporting	Date of report
Jiangsu	Suzhou	54	F	Under investigation	09/01/2017
Jiangsu	Suzhou	63	F	Under investigation	09/01/2017
Zhejiang	Lishui	61	F	Severe pneumonia	09/01/2017
Zhejiang	Hangzhou	79	M	Severe pneumonia	09/01/2017
Jiangsu	Wuxi	76	M	Fatal	09/01/2017
Jiangsu	Wuxi	34	F	Fatal	09/01/2017
Anhui	Tianchang	75	F	Fatal	09/01/2017
Jiangsu	Taizhou	47	M	Under investigation	09/01/2017
Jiangsu	Changzhou	46	M	Fatal	09/01/2017
Zhejiang	Quzhou	53	F	Under investigation	09/01/2017
Anhui	Bozhou	44	M	Pneumonia	09/01/2017
Zhejiang	Huzhou	63	M	Severe pneumonia	09/01/2017
Jiangsu	Suzhou	59	F	Fatal	09/01/2017
Jiangsu	Suzhou	73	M	Fatal	09/01/2017
Jiangsu	Suzhou	49	M	Fatal	09/01/2017
Jiangsu	Nanjing	52	F	Under investigation	09/01/2017
Jiangsu	Zhenjiang	70	M	Severe pneumonia	09/01/2017
Anhui	Wuhu	91	M	Fatal	09/01/2017
Guizhou	Sandu	49	F	Critical	09/01/2017

Table 3. Cumulative numbers of confirmed cases of human infection with avian influenza A(H7N9) since 2013 and since November 2016 respectively

Confirmed H7N9 human cases have been reported in the following countries / areas		Cumulative no. of cases since 2013 (927 cases in total) (as of January 9, 2017)	Cumulative no. of cases since November 2016 (129 cases in total) (as of January 9, 2017)
Mainland China	Zhejiang Province	241	22
	Guangdong Province	210	15 [^]
	Jiangsu Province	161	57
	Fujian Province	77	3
	Shanghai Municipality	54	3
	Anhui Province	50	14
	Hunan Province	36	2
	Jiangxi Province	20	6
	Shandong Province	11	2
	Xinjiang Uygur Autonomous Region	10	-
	Beijing Municipality	9	-
	Hebei Province	4	-
	Henan Province	4	-
	Guangxi Province	3	-
	Guizhou Province	3	1
	Hubei Province	2	-
	Jilin Province	2	-
	Tianjin Municipality	2	-
Liaoning Province	1	-	
Hong Kong		19*	3
Taiwan		4*	-
Canada		2*	-
Macao		1	1
Malaysia		1*	-

* All cases imported from Mainland China

[^] Refer to Figure 1 for geographical distribution

Figure 1. Geographical distribution of human cases of avian influenza A(H7N9) reported in Guangdong since November 2016 (latest case was reported on January 5, 2017)

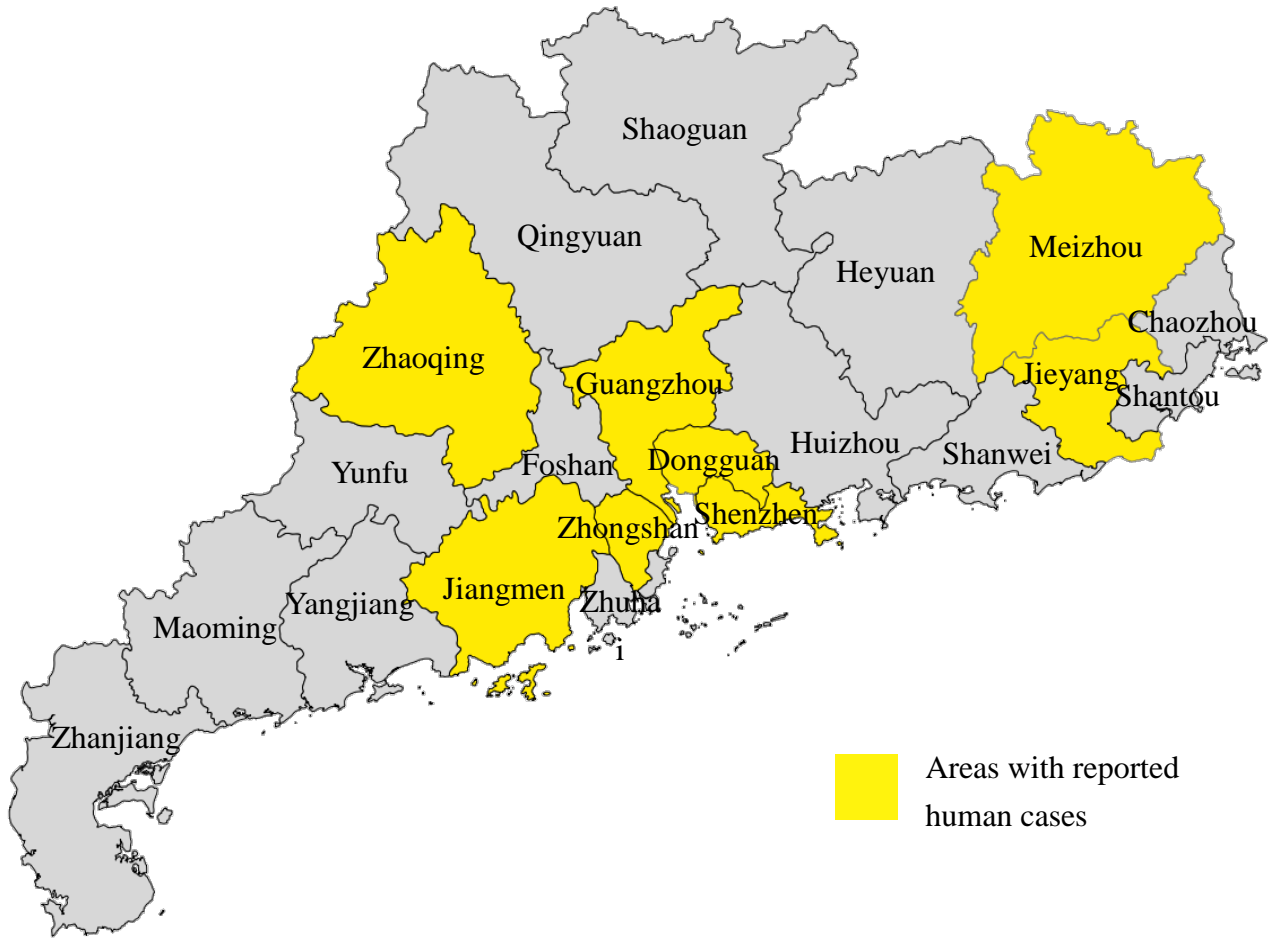


Table 4. Outside Hong Kong: Confirmed cases of human infection with avian influenza A(H5N6)

	Place of occurrence	No. of cases (No. of deaths)	Province / Region / Municipality	City / District / Area	Age (years)	Sex	Condition at time of reporting	Date of report
New cases	-	0(0)	-	-	-	-	-	-

Table 5. Cumulative number of confirmed cases of human infection with avian influenza A(H5N6) since 2014 and since November 2016 respectively

Confirmed H5N6 human cases have been reported in the following countries / areas		Cumulative no. of cases since 2014 (16 cases in total) (as of January 7, 2017)	Cumulative no. of cases since November 2016 (2 case in total) (as of January 7, 2017)
Mainland China	Guangdong	6	-
	Hunan	3	1
	Yunnan	2	-
	Anhui	1	-
	Hubei	1	-
	Jiangxi	1*	-
	Sichuan	1	-
	Guangxi Zhuang Autonomous Region	1	1

* imported case from Guangdong

Table 6. Outside Hong Kong: Confirmed human cases of avian influenza A(H5N1)

	Place of occurrence	No. of cases (No. of deaths)	Details
New cases	-	0(0)	-

For the cumulative no. of human cases by place, please refer to [WHO](#) website.

Table 7. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC since 2003 (by onset date) [§]

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Overall
Cases	4	46	98	115	88	44	73	48	62	32	39	52	145	10	856
Deaths	4	32	43	79	59	33	32	24	34	20	25	22	42	3	452
Case fatality rate	100%	69.6%	43.9%	68.7%	67.0%	75.0%	43.8%	50.0%	54.8%	62.5%	64.1%	42.3%	29.0%	30.0%	52.8%

[§] Further breakdown by countries is available at [WHO](#) website

Table 8. Confirmed human cases of avian influenza A(H5N1) reported to WHO / NHFPC since 2003 (by date of reporting)

Country	Cumulative no. of cases (December 2003 to January 2017)	No. of recent cases [^] (October 2016 to January 2017)
Azerbaijan	8	0
Bangladesh	8	0
Cambodia	56	0
Canada	1	0
Mainland China	53	0
Djibouti	1	0
Egypt	356	2
Indonesia	199	0
Iraq	3	0
Laos	2	0
Myanmar	1	0
Nigeria	1	0
Pakistan	3	0
Thailand	25	0
Turkey	12	0
Vietnam	127	0
Overall	856	2

[^] Details of recent cases (October 2016 to January 2017) are listed in *Table 9*.

Table 9. Details of the recent confirmed human cases of avian influenza A(H5N1) reported to WHO (October 2016 to January 2017) (Sources: WHO)

Date of report	Country	Province / Region	District / City	Sex	Age	Outcome at the time of reporting
3/10/2016	Egypt	Fayoum	-	M	3	Fatal
3/10/2016	Egypt	Giza	-	F	3	Fatal

Table 10. Outside Hong Kong: Confirmed human cases of avian influenza A infections other than avian influenza A(H5N1 / H5N6 / H7N9) reported in the past 6 months

	Place of occurrence	No. of cases (No. of deaths)	Details
In this reporting period	-	-	-
Previously reported cases (onset in the past 6 months)	Mainland China	5(0)	Avian influenza A(H9N2): <ul style="list-style-type: none"> ▫ Guangdong Province: A 4-year-old girl with onset on June 10, 2016; a 3-year-old boy with onset on July 9, 2016; and a 29-year-old woman with onset on August 8, 2016. ▫ Yunnan Province: A 10-month-old boy with onset on August 7, 2016. ▫ Jiangxi Province: A 4-year-old girl with onset on August 2, 2016.

Table 11. Hong Kong: Confirmed reports of avian influenza A(H5) or avian influenza A(H7N9) in poultry / wild birds since 2014

	No. of reports of H5 in poultry / wild birds	No. of reports of H7N9 in poultry / wild birds	Details
In this reporting period	0	0	-
Previously reported cases since 2014	8*	3 [#]	-

- * [Carcass of a peregrine falcon found in Yuen Long on April 9, 2015 \(H5N6\)](#)
[Carcass of an oriental magpie robin found in Sai Kung on April 29, 2015 \(H5N6\)](#)
[Carcass of an oriental magpie robin found in Kwai Chung on November 17, 2015 \(H5N6\)](#)
[Carcass of a great egret found in Wong Tai Sin on December 31, 2015 \(H5N6\).](#)
[Chicken carcass found in Tuen Mun on February 14, 2016 \(H5N6\)](#)
[Chicken carcass found in Tai O on February 18, 2016 \(H5N6\)](#)
[Samples of faecal droppings collected at Mai Po Nature Reserve on November 25, 2016 \(H5N6\)](#)
[A sample of faecal droppings collected at Mai Po Nature Reserve on November 30, 2016 \(H5N6\)](#)
- # [Samples from a batch of live chickens imported from a registered poultry farm in Shunde District of Foshan City in Guangdong were tested positive for H7N9 virus on January 27, 2014.](#)
[Samples from a consignment of live chickens from a registered farm in Huicheng District of Huizhou in Guangdong were tested positive for H7N9 virus on December 30, 2014.](#)
[A sample of faecal droppings of live poultry taken from a poultry stall in Yan Oi Market in Tuen Mun was tested positive for H7N9 virus on June 5, 2016.](#)

Table 12. Outside Hong Kong: Confirmed avian influenza A(H5), A(H7N9) or other highly pathogenic avian influenza in poultry / wild birds / environmental samples reported in this week – number of reports for various subtypes of virus

Subtype of virus	No. of reports
H5N8	7

Table 13. Outside Hong Kong: Confirmed avian influenza A(H5), A(H7N9) or other highly pathogenic avian influenza in poultry / wild birds / environmental samples reported in this week – details of reports

Places of occurrence	Details	OIE Report Date
China	Samples from birds in Shanxi were tested positive for highly pathogenic avian influenza A (H5N8).	December 30, 2016
Germany	Samples from poultry in Niedersachsen were tested positive for highly pathogenic avian influenza A (H5N8).	December 30, 2016
France	Samples from poultry in Landes, Gers, Lot-et-Garonne, Pyrénées-Atlantiques and Hautes-Pyrénées were tested positive for highly pathogenic avian influenza A (H5N8).	December 30, 2016
Croatia	Samples from poultry in Virovitičko-podravska were tested positive for highly pathogenic avian influenza A (H5N8).	January 5, 2017
Czech Republic	Samples from poultry in Jihomoravský were tested positive for highly pathogenic avian influenza A (H5N8).	January 5, 2017
Iran	Samples from poultry in Markazi, Qazvin, Kermanshah, Golestan and Gilan were tested positive for highly pathogenic avian influenza A (H5N8).	January 7, 2017
Romania	Samples from poultry and birds in Tulcea were tested positive for highly pathogenic avian influenza A (H5N8).	January 9, 2017

For cumulative reports of avian influenza A(H5), A(H7N9) or other highly pathogenic avian influenza in poultry / wild birds, please refer to the [OIE](#) website.

Table 14. Countries / areas with documented avian influenza A (H7N9) or highly pathogenic avian influenza (including H5 and other subtypes) cases in the recent 6 months (including infections in humans/birds and relevant environmental samples) (as of January 9, 2017)

Country/ Area	Human cases		Poultry cases / environmental samples		Wild bird cases / others	
	Subtype of virus	Date of last report	Subtype of virus	Date of last report (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)
Algeria	-	-	-	-	H7	02/11/2016 (H7N1)
Austria	-	-	H5	11/11/2016 (H5N8)	H5	01/12/2016 (H5N8)
Bhutan	-	-	H5	24/10/2016 (H5N1)	-	-
Bulgaria	-	-	H5	28/12/2016*	H5	22/12/2016*
Cameroon	-	-	H5	14/09/2016 (H5N1)	-	-
Cote D'Ivoire	-	-	H5	03/10/2016 (H5N1)	-	-
Croatia	-	-	H5	05/01/2017 (H5N8)	H5	18/11/2016 (H5N8)
Czech Republic	-	-	H5	05/01/2017 (H5N8)	-	-
Denmark	-	-	H5	21/11/2016 (H5N8)	H5	22/12/2016 (H5N8)
Egypt	H5N1	19/07/2016	Endemic	Endemic	H5	30/11/2016 (H5N8)
Finland	-	-	-	-	H5	28/12/2016 (H5N8)
France	-	-	H5	25/07/2016 (H5N1) 09/08/2016 (H5N2) 30/12/2016 (H5N8)	H5	23/12/2016 (H5N8)
Germany	-	-	H5	30/12/2016 (H5N8)	H5	21/12/2016 (H5N8)
Ghana	-	-	H5	23/11/2016 (H5N1)	-	-
Greece	-	-	-	-	H5	23/12/2016 (H5N8)
Hong Kong	H7N9	05/01/2017 [#]	-	-	H5	08/12/2016 (H5N6)
Hungary	-	-	H5	29/12/2016 (H5N8)	H5	04/11/2016 (H5N8)
India	-	-	H5	25/11/2016 (H5N8) 27/12/2016 (H5N1)	H5	09/11/2016 (H5N8) 27/12/2016 (H5N1)
Indonesia	-	-	Endemic	Endemic	-	-
Iran	-	-	H5	07/01/2017 (H5N8)	H5	18/12/2016 (H5N8)
Iraq	-	-	H5	25/07/2016 (H5N1)	-	-
Israel	-	-	H5	25/12/2016 (H5N8)	H5	25/12/2016 (H5N8)
Japan	-	-	H5	26/12/2016 (H5N6)	H5	21/11/2016 (H5N6)
Korea	-	-	H5	07/09/2016 (H5N8) 02/12/2016 (H5N6)	-	-
Laos	-	-	H5	14/10/2016 (H5N1)	-	-
Macau	H7N9	13/12/2016	H7	13/12/2016 (H7N9)	-	-
Mainland China						
Anhui	H7N9	26/12/2016	-	-	-	-
Fujian	H7N9	21/12/2016	-	-	-	-
Gansu	-	-	H5	08/10/2016 (H5N6)	-	-
Guangdong	H7N9	27/12/2016	-	-	-	-
Guangxi	H5N6	08/11/2016	-	-	-	-
Guizhou	H5N6	09/11/2016	H5	31/08/2016 (H5N6)	-	-
Hebei	H7N9	12/08/2016	-	-	-	-
Henan	H7N9	21/07/2016 [^]	-	-	-	-
Hubei	-	-	H5	08/10/2016 (H5N6)	-	-
Hunan	H5N6 H7N9	18/11/2016 07/01/2017	-	-	-	-
Jiangsu	H7N9	29/12/2016	-	-	-	-
Jiangxi	H7N9	09/01/2017	-	-	-	-
Shandong	H7N9	07/01/2017	-	-	-	-
Shanghai	H7N9	07/01/2017	-	-	-	-
Shanxi	-	-	-	-	H5	05/01/2017 (H5N8)
Sichuan	-	-	H5	28/12/2016 (H5N6)	-	-
Xinjiang	-	-	H5	28/12/2016 (H5N6)	-	-
Zhejiang	H7N9	26/12/2016	-	-	-	-
Montenegro	-	-	-	-	H5	22/12/2016 (H5N5)
Netherlands	-	-	H7 and H5	28/12/2016 (H5N8)	H5	14/12/2016 (H5N5) 28/12/2016 (H5N8)
Nigeria	-	-	H5	28/11/2016 (H5N1) 17/12/2016 (H5N8)	H5	17/12/2016 (H5N8)
Poland	-	-	H5	28/12/2016 (H5N8)	H5	23/12/2016 (H5N8)
Romania	-	-	H5	09/01/2017 (H5N8)	H5	09/01/2017 (H5N8)
Russia	-	-	H5	08/12/2016 (H5N8)	H5	16/12/2016*
Serbia	-	-	H5	16/12/2016 (H5N8)	H5	06/12/2016 (H5N8)
Slovakia	-	-	H5	29/12/2016*	-	-

Country/ Area	Human cases		Poultry cases / environmental samples		Wild bird cases / others	
	Subtype of virus	Date of last report	Subtype of virus	Date of last report (Subtype in this report)	Subtype of virus	Date of last report (Subtype in this report)
Sweden	-	-	H5	22/12/2016 (H5N8)	H5	27/12/2016 (H5N8)
Switzerland	-	-	-	-	H5	21/12/2016 (H5N8)
Taiwan	-	-	H5	17/10/2016 (H5N2) 23/12/2016 (H5N8)	-	-
Togo	-	-	H5	25/08/2016 (H5N1)	-	-
Tunisia	-	-	-	-	H5	01/12/2016 (H5N8)
Ukraine	-	-	H5	17/12/2016*	H5	17/12/2016*
United Kingdom	-	-	H5	17/12/2016 (H5N8)	H5	22/12/2016 (H5N8)
United States of America	-	-	-	-	H5	26/08/2016 (H5N2)
Vietnam	-	-	H5	01/07/2016 (H5N6) 02/10/2016 (H5N1)	-	-

Sources: WHO, OIE, NHFPC and other official websites # imported case from Guangdong ^ exported case to Anhui * without further subtype information